## TRANSACTIONS OF THE AMERICAN MATHEMATICAL SOCIETY INDEX, VOLUMES 215-224

This index includes Memoirs published during the period January 1976-December 1976

	Vol.	Pages
AARNES, JOHAN E. Differentiable representations. I: Induced representations and Frobenius reciprocity	220	1-35
ABHYANKAR, S. S. and Moh, T. T. On analytic indepen-		
dence	219	77-87
ADOLPHSON, A. An index theorem for p-adic differential		
operators	216	279-293
ALEXANDER, J. P., HAMRICK, G. C. and VICK, J. W. Linking		
forms and maps of odd prime order	221	169-185
ALLISON, B. N. Lie algebras of type BC <sub>1</sub>	224	75-86
ALFSEN, ERIK M. and SHULTZ, FREDERIC W. Non-commutative spectral theory for affine function spaces on convex		
sets	Memo	ir No. 172
ALMGREN, F. J., JR. Existence and regularity almost every-		
where of solutions to elliptic variational problems with		
constraints	Memo	ir No. 165
ANCONA, VINCENZO. Espaces fibrés linéaires faiblement		
négatifs sur un espace complexe	215	45-61
ANDERSON, BOYD. Centralisers of $C^{\infty}$ diffeomorphisms	222	97-106
ANDERSON, J. M. and SHIELDS, A. L. Coefficient multi-		
pliers of Bloch functions	224	255-265
APOSTOL, CONSTANTIN and CLANCEY, KEVIN. Generalized		
inverses and spectral theory	215	293-300
APOSTOL, G., DOUGLAS, R. G. and FOIAS, C. Quasi-similar		
models for nilpotent operators	224	407-415
ARTAMONOV, V. A. On chain varieties of linear algebras	221	323-338
ASIMOV, D. Finite groups as isometry groups	216	388-391
AZENCOTT, ROBERT and WILSON, EDWARD N. Homogeneous		
manifolds with negative curvature, Part I	215	323-362
, Homogeneous manifolds with negative curvature,		
Part II	Memo	ir No. 178
AZOFF, E. A., FONG, C. K. and GILFEATHER, F. A reduction		
theory for non-self-adjoint operator algebras	224	351-366
BAKER, R. C. Dyadic methods in the measure theory of num-		
bers	221	419-432
BARNES, BRUCE A. Representations of the l <sup>1</sup> -algebra of an		
inverse semigroup	218	361-396
BARRON, EMMANUEL NICHOLAS. Differential games with		
Lipschitz control functions and applications to games with		
partial differential equations	219	39-76
Bass, Charles D. Some special decompositions of $E^3$	216	115-130

	VOL	Pages
BASTIAN, JOSEPH J. A decomposition of weighted transla-		
tion operators	224	217-230
BERGLUND, JOHN F. and MILNES, PAUL. Algebras of func-	216	4760
tions on semitopological left-groups	222	157-178
BERKSON, EARL and PORTA, HORACIO One-parameter groups of isometries on Hardy spaces of the torus	220	373-391
BERRICK, A. J. Nonimmersion of lens spaces with 2-torsion.	224	399-405
BIGGS, R. G., RANKIN, S. A. and REIS, C. M. A study of graph closed subsemigroups of a full transformation semi-		333 100
group	219	211-223
BISMUT, JEAN-MICHEL. Théorie probabiliste du contrôle des diffusions	Memo	ir No. 167
BISZTRICZKY, TIBOR. Hypersurfaces of order two	220	205-233
BLATTER, JÖRG and SEEVER, G. L. Interposition and lattice	220	200 200
cones of functions	222	65-96
BOLKER, ETHAN D. Simplicial geometry and transportation		
polytopes	217	121-142
BONDY, DANIEL ALAN. An application of functional opera-		
tor models to dissipative scattering theory	223	1-43
BOUSFIELD, A. K. and GUGENHEIM, V. K. A. M. On PL De		
Rham theory and rational homotopy type	Memo	ir No. 179
BOYLE, ANN K. and GOODEARL, K. R. Dimension theory for		
nonsingular injective modules	Memo	ir No. 177
Brown, Edgar H., Jr. A product formula for generaliza-		
tions of the Kervaire invariant	216	295-311
CAHILL, ROTRAUT GOUBAU. On bounded functions satisfy-		
ing averaging conditions. II	223	295-304
CALDER, ALLAN. Cohomology of finite covers	218	349-352
CALLAHAN T. and SMITH, R. A. L-functions of a quadratic		
form	217	297-309
CANNON, JAMES W. and FEUSTEL, C. D. Essential embed-		
dings of annuli and Möbius bands in 3-manifolds	215	219-239
CARISTI, JAMES. Fixed point theorems for mappings satisfy-		
ing inwardness conditions	215	241-251
CARLTON, ELOISE. A Plancherel formula for idyllic nilpotent		
Lie groups	224	1-42
CARTER, LYNE H. An order topology in ordered topological		
vector spaces	216	131-144
CHALMERS, BRUCE L. The Remez exchange algorithm for		
approximation with linear restrictions	223	103-131
CHANG, ZON-I. Finite groups with prime p to the first power	222	267-288
CHAPMAN, T. A. Concordances of Hilbert cube manifolds	219	253-268
CHAPMAN, WILLIAM H. and RANDTKE, DANIEL J. On the		
existence of compact metric subspaces with applications	210	100 110
to the complementation of $c_0$	219	133-148

	Vol	Pages
CHEN, BANG-YEN, Total mean curvature of immersed sur-		
faces in E <sup>m</sup>	218	333-341
CHENG, SUI-SUN. Systems-conjugate and focal points of		
fourth order nonselfadjoint differential equations	223	155-165
CHUI, C. K., SMITH, P. W. and WARD, J. D. Favard's solution		
is the limit of Wk,p-splines	220	299-305
CLANCEY, KEVIN and APOSTOL, CONSTANTIN. Generalized		
inverses and spectral theory	215	293-300
COSTA, DOUGLAS L. Unique factorization in modules and		
symmetric algebras	224	267-280
COWLING, MICHAEL G. and FOURNIER, JOHN J. F. Inclusions		
and noninclusion of spaces of convolution operators	221	59-95
Cozzens, J. H. Maximal orders and reflexive modules	219	323-336
CURTIS, CHARLES W., KANTOR, WILLIAM M. and SEITZ,	217	323-330
GARY M. The 2-transitive permutation representations of		
	210	1 60
the finite Chevalley groups	218	1-59
CUSICK, T. W. Effective lower bounds for some linear forms	222	289-301
DAI, TAEN-YU and DEMARR, RALPH. A property for inver-		
ses in a partially ordered linear algebra	215	285-292
, Partially ordered linear algebras with multiplicative		
diagonal map	224	179-187
DALY, JOHN T. and DOWNUM, PHILIP B. A Banach algebra		
of functions with bounded nth differences	223	279-294
DANCIS, JEROME. General position maps for topological		
manifolds in the 2/3rds range	216	249-266
DAVEY, BRIAN A. Dualities for equational classes of Brou-		
werian algebras and Heyting algebras	221	119-146
DAVIS, BURGESS. On Kolmogorov's inequalities $\ \widetilde{f}\ _p \le$		
$C_p \ f\ _1, 0$	222	179-192
DEMARR, RALPH and DAI, TAEN-YU. A property for inver-		.,, .,,
ses in a partially ordered linear algebra	215	285-292
———, Partially ordered linear algebras with multiplicative	213	203-272
diagonal map	224	170 197
	224	179–187
DEVANEY, ROBERT L. Reversible diffeomorphisms and	210	00 110
flows	218	89-113
DICKSON, LAWRENCE J. Limit properties of Poisson kernels		
of Siegel domains of type II	219	113-130
DIEDERICH, J. R. Natural limits for harmonic and super-		
harmonic functions	224	381-397
DLAB, VLASTIMIL and RINGEL, CLAUS MICHAEL. Indecom-		
posable representations of graphs and algebras	Memoi	ir No. 173
DOOLEY, A. H. The spectral theory of posets and its applica-		
tions to C*-algebras	224	143-155
Douglas, R. G., Foias, C. and Apostol, G. Quasi-similar		
models for nilpotent operators	224	407-415

	Vol.	Pages
DOWNUM, PHILIP B. and DALY, JOHN T. A Banach algebra of functions with bounded nth differences	223	279-294
DUNNINGER, D. R. and LEVINE, HOWARD A. Uniqueness criteria for solutions of singular boundary value problems	221	289-301
DWYER, THOMAS A. W. III. Convolution equations for vector-		
valued entire functions of nuclear bounded type EDWARDS, DAVID A. and GEOGHEGAN, ROSS. Infinite-	217	105–119
dimensional Whitehead and Vietoris theorems in shape and	219	351-360
pro-homotopy, Stability theorems in shape and pro-homotopy	222	387-403
EDWARDS, DAVID A. and HASTINGS, HAROLD M. Every weak proper homotopy equivalence is weakly properly		
homotopic to a proper homotopy equivalence	221	239-248
EDWARDS, ROBERT D. and MILLER, RICHARD T. Cell-like closed-0-dimensional decompositions of $R^3$ are $R^4$ factors.	215	191-203
EHRLICH, GERTRUDE. Units and one-sided units in regular		
rings	216	81–90
differentiability and perturbed optimization problems in		100 011
Banach spaces	224	193–216
equations	220	235-242
EPHRAIM, ROBERT. The cartesian product structure and	224	200 211
C <sup>∞</sup> equivalences of singularities		299-311 No. 171
ERNST, LAWRENCE R. T measure of Cartesian product sets.	Memon	140. 171
II	222	211-220
measure inequality	219	361-368
FATHI, A. and VISETTI, Y. M. Deformation of open embed-		407 405
dings of Q-manifolds	224	427–435 1–43
FEUSTEL, C. D. On the torus theorem and its applications  On the torus theorem for closed 3-manifolds	217 217	45-57
FEUSTEL, C. D. and CANNON, JAMES W. Essential embeddings	217	43-37
of annuli and Möbius bands in 3-manifolds	215	219-239
FISCHER, MICHAEL J., LYNCH, NANCY ANN and MEYER, ALBERT R. Relativization of the theory of computational		
FLEMING, RICHARD J. and JAMISON, JAMES E. Adjoint	220	243-287
abelian operators on $L^p$ and $C(K)$	217	87-98
FOIAȘ, C., APOSTOL, G. and DOUGLAS, R. G. Quasi-similar models for nilpotent operators	224	407 415
FONG, C. K., GILFEATHER, F. and AZOFF, E. A. A reduction	224	407-415
theory for non-self-adjoint operator algebras  FONTENOT, ROBERT A. Topological measure theory for	224	351-366
double centralizer algebras	220	167-184

	Vol.	Pages
FOTI, JAMES P. Asymptotically autonomous multivalued dif- ferential equations	221	449-452
FOURNIER, JOHN J. F. and COWLING, MICHAEL G. Inclusions		
and noninclusion of spaces of convolution operators FRANKS, JOHN and ROBINSON, CLARK. A quasi-Anosov dif-	221	59–95
feomorphism that is not Anosov	223	267-278
FRASER, GRANT A. The semilattice tensor product of distri-		
butive lattices	217	183-194
FREILICH, GERALD and ERNST, LAWRENCE R. A Hausdorff		
measure inequality	219	361-368
FRIEDLAND, SHMUEL. Nonoscillation, disconjugacy and in-		
tegral inequalities		No. 176
FUJII, AKIO. On the zeros of Dirichlet L-functions. III	219	347-349
GARFINKEL, GERALD S. Universally torsionless and trace		
modules	215	119-144
GENTRY, R. D. and TRAVIS, C. C. Comparison of eigenvalues		
associated with linear differential equations of arbitrary		
order	223	167–179
GEOGHEGAN, ROSS and EDWARDS, DAVID A. Infinite-		
dimensional Whitehead and Vietoris theorems in shape and		
pro-homotopy	219	351-360
, Stability theorems in shape and pro-homotopy	222	389-403
GIBBS, DAVID E. Some results on orientation preserving in-		
volutions	218	321-332
GILFEATHER, F., AZOFF, E. A. and FONG, C. K. A reduction		
theory for non-self-adjoint operator algebras	224	351-366
GINSBURG, JOHN. On the Stone-Čech compactification of		
the space of closed sets	215	301-311
GLEIT, ALAN and ZINN, JOEL. Admissible and singular		
translates of measures on vector spaces	221	199-211
GOLD, SYDELL PERLMUTTER. The sets that are scissor con-		
gruent to an unbounded convex subset of the plane	215	99-117
GOLDSTEIN, JEROME A. and SANDEFUR, JAMES T., JR.		
Asymptotic equipartition of energy for differential equa-		
tions in Hilbert space	219	397-406
VON GOLITSCHEK, M. The degree of approximation for gen-		
eralized polynomials with integral coefficients	224	417-425
GOLUBITSKY, MARTIN and TISCHLER, DAVID. On the local		
stability of differential forms	223	205-221
GOODEARL, K. R. and BOYLE, ANN K. Dimension theory for		
nonsingular injective modules	Memoir	No. 177
GOOR, ROBERT M. Existence theorems for parametric prob-	222	249 265
lems in the calculus of variations and approximation	223	347-365
GRADY, MICHAEL DALE. Sufficient conditions for an oper-	222	101 202
ator-valued Feynman-Kac formula	223	181-203

	Vol.	Pages
GREGORY, J. and LOPEZ, G. C. An approximation theory		
for generalized Fredholm quadratic forms and integral-	222	210 225
differential equations	222	319-335
GRILLET, PIERRE ANTOINE. The multiplicative behavior or	215	FO 06
H	217	59–86
GRINBLAT, L. S. Compactifications of spaces of functions	217	105 222
and integration of functionals	217	195-223
GRUENHAGE, GARY. Continuously perfectly normal spaces	224	323-338
and some generalizations	224	323-336
Rham theory and rational homotopy type	Mamo	ir No. 179
HAGOPIAN, CHARLES L. Indecomposable homogeneous plane	Memo	11 140. 179
continua are hereditarily indecomposable	224	339-350
HALLAM, THOMAS G. Parametric perturbation problems in	224	
ordinary differential equations	224	43-59
HALLENBECK, DAVID J. and LIVINGSTON, ALBERT E. Ap-	224	43-37
plications of extreme point theory to classes of multivalent		
functions	221	339-359
HALPERIN, MIRIAM P. Deformations of formal embeddings	221	337-337
of schemes	221	303-321
HALPERN, J. D. and HOWARD, PAUL E. The law of infinite	Ar der L	303-321
cardinal addition is weaker than the axiom of choice	220	195-204
HAMRICK, G. C., VICK, J. W. and ALEXANDER, J. P. Linking	220	175 201
forms and maps of odd prime order	221	169-185
HANTLER, SIDNEY L. Estimates for the $\bar{\partial}$ -Neumann operator	221	105 105
in weighted Hilbert spaces	217	395-406
HARLEY, PETER W. III and STEPHENSON, R. M., JR. Sym-	22,	0,0
metrizable and related spaces	219	89-111
HARRINGTON, ANDREW and ORTEL, MARVIN. Two extremal	217	0, 111
problems	221	159-167
HASTINGS, HAROLD M. and EDWARDS, DAVID A. Every weak		
proper homotopy equivalence is weakly properly homo-		
topic to a proper homotopy equivalence	221	239-248
HAYES, C. A. Necessary and sufficient conditions for the		
derivation of integrals of $L_{\Psi}$ -functions	223	385-395
HELTON, BURRELL W. A special integral and a Gronwall in-		
equality	217	163-181
HESSELINK, WIM. Singularities in the nilpotent scheme of a		
classical group	222	1-32
HILDEBRANT, J. A., LAWSON, J. D. and YEAGER, D. P. The		
translational hull of a topological semigroup	221	251-280
HLAVAC, PAUL and SUNDARESAN, K. Geometry of Banach		
spaces of functions associated with concave functions	215	161-189
HOOBLER, RAYMOND T. Frobenius calculations of Picard		
groups and the Birch-Tate-Swinnerton Dyer conjecture	222	345-352

	Vol.	Pages
HORNELL, JAMES. The multiplicity function of a local ring HOWARD, PAUL E. and HALPERN, J. D. The law of infinite	220	321-341
cardinal addition is weaker than the axiom of choice	220	195-204
Howes, Frederick A. Singular perturbations and differential inequalities	Memoi	r No. 168
HUBBARD, JOHN HAMAL. Sur les sections analytiques de la		
Courbe universelle de Teichmüller	Memoi	r No. 166
	220	159-166
ring	215	81-98
HUSSEINI, S. Y. The fixed-point property of $(2m-1)$ -con-		
nected 4m-manifolds	220	343-359
ISBELL, JOHN and MITCHELL, BARRY. Exact colimits and		
fixed points	220	289-298
IZE, JORGE. Bifurcation theory for Fredholm operators	Memoi	r No. 174
JACOBSON, STEVEN. Pointwise bounded approximation and		
analytic capacity of open sets	218	261-283
JAMISON, JAMES E. and FLEMING, RICHARD J. Adjoint		
abelian operators on $L^p$ and $C(K)$	217	87-98
JERRARD, RICHARD. Erratum to "Homology with multiple-		
valued functions applied to fixed points"	218	406
JOHNSON, B. E. Norming $C(\Omega)$ and related algebras	220	37-58
JOHNSON, KENNETH D. Composition series and intertwining		
operators for the spherical principal series. II	215	269-283
JOINER, CHARLES. Free topological groups and dimension	220	401-418
KANAMORI, A. Weakly normal filters and irregular ultrafilters	220	393-399
KANE, RICHARD. The module of indecomposables for finite H-spaces	222	202 210
Kannai, Yakar. Hypoellipticity of certain degenerate ellip-	222	303-318
tic boundary value problems	217	311-328
Kannan, R. Existence of periodic solutions of nonlinear dif-	217	311-328
ferential equations	217	225-236
KANTOR, WILLIAM M., SEITZ, GARY M. and CURTIS, CHARLES	21/	223-230
W. The 2-transitive permutation representations of the		
finite Chevalley groups	218	1-59
KATSARAS, A. Some locally convex spaces of continuous	210	1-37
vector-valued functions over a completely regular space and		
their duals	216	367-387
KATZ, ELYAHU. Principal co-fiber bundles	222	129-141
KAUFFMAN, LOUIS H and TAYLOR, LAURENCE R. Signature	222	127-141
of links	216	351-365
KAUFMAN, R. Bernoulli convolutions and differentiable func-	210	331-303
tions	217	99-104
KEESLING, JAMES. The Čech cohomology of movable and		JJ-104
n-movable spaces	219	149_167

	Vol.	Pages
KEESLING, JAMES. Some examples in shape theory using the theory of compact connected abelian topological groups	219	169-188
KETONEN, JUSSI. Nonregular ultrafilters and large cardinals	224	61-73
KEYNES, H. B. and Newton, D. Real prime flows	217	237-255
KIEFE, CATARINA. Sets definable over finite fields: Their zeta-functions	223	45-59
Korányi, A. and Putz, R. B. Local Fatou Theorem and area	263	43-39
theorem for symmetric spaces of rank one	224	157-168
Kosniowski, Czes. Equivariant stable homotopy and	224	137-100
framed bordism	219	225-234
KOSTANT, BERTRAM and TIRAO, JUAN. On the structure of	217	223-234
certain subalgebras of a universal enveloping algebra	218	133-154
KRALJEVIĆ, HRVOJE. On representations of the group	210	155-154
SU(n, 1)	221	433-448
LADDE, G. S. Competitive processes and comparison differ-	221	433-440
ential systems	221	391-402
LAKSHMIKANTHAM, V., MITCHELL, A. RICHARD and	221	371 102
MITCHELL, ROGER W. Differential equations on closed		
subsets of a Banach space	220	103-113
LALOUX, B. and MAWHIN, J. Coincidence index and multi-	220	105-115
plicity	217	143-162
LAWSON, J. D., YEAGER, D. P. and HILDEBRANT, J. A. The	21/	143-102
translational hull of a topological semigroup	221	251-280
LAZAR, A. J. and TAYLOR, D. C. Multipliers of Pedersen's	221	231-200
ideal	Mama	ir No. 169
LEA, J. W., Jr. Breadth two topological lattices with connec-	Memo	II No. 109
ted sets of irreducibles	219	227 245
LEBOURG, GÉRARD and EKELAND, IVAR. Generic Fréchet-	219	337–345
differentiability and perturbed optimization problems in	224	102 016
Banach spaces	224	193–216
LEDGER, A. and TSAGAS, GR. Classification of simply connected four-dimensional RR-manifolds	210	100 210
LEE, DONG HOON. Reductivity and the automorphism	219	189-210
	221	270 200
group of locally compact groups	221	379-389
LEPOWSKY, J. A generalization of H. Weyl's "unitary trick"	216	229-236
, Linear factorization of conical polynomials over	216	007 040
certain nonassociative algebras	216	237-248
LEPOWSKY, J. and McCollum, G. W. Cartan subspaces of	216	017 000
symmetric Lie algebras LEUNG, D. S. P. On the integrability of Jacobi fields on min-	216	217-228
	220	105 104
imal submanifoldsLEVINE, HOWARD A. and DUNNINGER, D. R. Uniqueness	220	185–194
	221	200 201
criteria for solutions of singular boundary value problems LIANG, CHAO-CHU. Involutions on homotopy spheres and	221	289-301
their gluing diffeomorphisms	215	363-391
then kidnik diffeolioi phishis	413	202-371

	Vol.	Pages
LIANG, CHAO-CHU. Erratum to "Involutions of homotopy spheres and their gluing diffeomorphisms"	222	405
	222	403
LIEPINS, GUNAR E. A Paley-Wiener theorem for locally com-	222	193-21C
pact Abelian groups	222	173-216
plications of extreme point theory to classes of multivalent		
functions	221	339-359
LONDON, R. R. and THOMAS, D. K. An asymptotic formula	221	337 337
for an integral in starlike function theory	215	393-406
LOPEZ, G. C. and GREGORY, J. An approximation theory	210	0,0
for generalized Fredholm quadratic forms and integral-dif-		
ferential equations	222	319-335
Lue, Huei-Shyong. Characteristic classes for the deforma-		
tion of flat connections	217	379-393
LYNCH, NANCY ANN, MEYER, ALBERT R. and FISCHER,		0,,,
MICHAEL J. Relativization of the theory of computational		
complexity	220	243-287
MCADAM, S. and RATLIFF, L. J., JR. Maximal chains of prime		
ideals in integral extension domains. I	224	103-116
McCollum, G. W. and Lepowsky, J. Cartan subspaces of		
symmetric Lie algebras	216	217-228
McDonald, Bernard R. Automorphisms of $GL_n(R)$	215	145-159
McGavran, Dennis. T3-actions on simply connected 6-		
manifolds. I	220	59-85
McMahon, D. and Wu, T. S. On the connectedness of homo-		
morphisms in topological dynamics	217	257-270
MAIORANA, JAMES A. Smith theory for p-groups	223	253-266
MARCHI, EZIO. Some topics on equilibria	220	87-102
MARTIN, HAROLD W. Weak bases and metrization	222	337-344
MASIEWICKI, LEON. Universal properties of Prym varieties		
with an application to algebraic curves of genus five	222	221-240
MAWHIN, J. and LALOUX, B. Coincidence index and multi-		
plicity	217	143-162
MENAS, TELIS K. Consistency results concerning supercom-		
pactness	223	61-91
MEYER, ALBERT R, FISCHER, MICHAEL J. and LYNCH,		
NANCY ANN. Relativization of the theory of computa-		
tional complexity	220	243-287
MILLER, RICHARD T. and EDWARDS, ROBERT D. Cell-like	015	101 000
closed-0-dimensional decompositions of $R^3$ are $R^4$ factors.	215	191-203
MILLETT, KENNETH C. Piecewise linear bundles in the meta-	216	227 250
Stable range	216	337–350
MILNES, PAUL and BERGLUND, JOHN F. Algebras of func-	222	167 170
tions on semitopological left-groups	222	157-178

,	Vol.	Pages
MING, RONALD. Yoneda products in the Cartan-Eilenberg		_
change of rings spectral sequence with applications to		
$BP_{\bullet}(BO(n))$	219	235-252
MINIOWITZ, RUTH. On almost bounded functions	223	93-102
MITCHELL, A. RICHARD, MITCHELL, ROGER W. and	220	75 102
LAKSHMIKANTHAM, V. Differential equations on closed		
	220	103-113
subsets of a Banach space	220	103-113
MITCHELL, BARRY and ISBELL, JOHN. Exact colimits and	220	200 200
fixed points	220	289-298
MITCHELL, ROGER W., LAKSHMIKANTHAM, V. and		
MITCHELL, A RICHARD. Differential equations on closed		
subsets of a Banach space	220	103-113
Moн, T. T. and Aвнуанкая, S. S. On analytic independence	219	77–87
MOLINO, PIERRE. The primitive lifting problem in the equiv-		
alence problem for transitive pseudogroup structures: A		
counterexample	224	189-192
MOORE, CALVIN C. Group extensions and cohomology for		
locally compact groups. III	221	1-33
, Group extensions and cohomology for locally com-		
pact groups. IV	221	35-58
MOORE, L. C., JR. Hyperfinite extensions of bounded opera-		
tors on a separable Hilbert space	218	285-295
MOSTOW, MARK ALAN. Continuous cohomology of spaces		
with two topologies	Memo	ir No. 175
MUGLER, DALE H. Convolution, differential equations, and		
entire functions of exponential type	216	145-187
MYERS, DALE. Cylindric algebras of first-order languages	216	189-202
NAKAGAWA, H. and OGIUE, K. Complex space forms im-		
mersed in complex space forms	219	289-297
NAGEL, ALEXANDER and WAINGER, STEPHEN. Hilbert		
transforms associated with plane curves	223	235-252
NEWTON, D. and KEYNES, H. B. Real prime flows	217	237-255
NOONAN, J. W. and THOMAS, D. K. On the second Hankel		
determinant of areally mean p-valent functions	223	337-346
NUBER, J. A. Erratum to "A constructive ergodic theorem"	216	393
OBERLIN, DANIEL M. Multipliers of $L_E^p$ . I	221	187-198
OCKEN, STANLEY. Parametrized knot theory		ir No. 170
OGIUE, K. and H. NAKAGAWA. Complex space forms im-	Mellio	1 140. 170
mersed in complex space forms	210	289-297
Olsen, Catherine L. and Zame, William R. Some C*-	219	209-291
	215	205 215
algebras with a single generator	215	205-217
OLSSON, JORN B. On the blocks of GL(n, q). I	222	143-156
ORTEL, MARVIN and HARRINGTON, ANDREW. Two extre-		
mal problems	221	159–167
PAPICK, IRA J. Topologically defined classes of going-down		
domains	219	1-37

PARSON, L. ALAYNE. Generalized Kloosterman sums and the	Vol.	Pages
Fourier coefficients of cusp forms	217	329-350
PASCHKE, WILLIAM L. Inner product modules arising from		
compact automorphism groups of von Neumann algebras.	224	87-102
PASSOW, ELI, RAYMON, LOUIS and SHISHA, OVED. Piece-		
wise monotone interpolation and approximation with		
Muntz polynomials	218	197-205
Penney, R. Spherical distributions on Lie groups and $C^{\infty}$		
vectors	223	367-384
PERCELL, PETER. Presentations of 3-manifolds arising from		
vector fields	221	361-377
PINSKY, MARK A. Isotropic transport process on a Riemann-	010	252 260
ian manifold	218	353-360
PORTA, HORACIO and BERKSON, EARL. One-parameter	220	272 201
groups of isometries on Hardy spaces of the torus	220	373-391
PURDOM, SEATON D. Evolution system approximations of	215	63-79
solutions to closed linear operator equations  PUTCHA, MOHAN S. and TAMURA, TAKAYUKI. Homomor-	215	03-19
phisms of commutative cancellative semigroups into non-		
negative real numbers	221	147-157
PUTNAM, C. R. Almost isolated spectral parts and invariant	221	147-137
subspaces	216	267-277
PUTZ, R. B. and KORÁNYI, A. Local Fatou Theorem and	210	201-211
area theorem for symmetric spaces of rank one	224	157-168
QUINE, J. R. Some consequences of the algebraic nature of	221	10, 100
$p(e^{i\theta})$	224	437-442
RAHMAN, Q. I. and SCHMEISSER, G. Some inequalities for		
polynomials with a prescribed zero	216	91-103
RANDTKE, DANIEL J. and CHAPMAN, WILLIAM H. On the		
existence of compact metric subspaces with applications		
to the complementation of $c_0$	219	133-148
RANGE, R. MICHAEL. On the topological extension to the		
boundary of biholomorphic maps in C <sup>n</sup>	216	203-216
RANKIN, S. A., REIS, C. M. and BIGGS, R. G. A study of		
graph closed subsemigroups of a full transformation semi-		
group	219	211-223
RATLIFF, L J., JR. Maximal chains of prime ideals in integral		
extension domains. II	224	117–141
RATLIFF, L J., JR. and McAdam, S. Maximal chains of	224	103-116
prime ideals in integral extension domains. I	224	103-110
RAYMON, LOUIS, SHISHA, OVED and PASSOW, ELI. Piece- wise monotone interpolation and approximation with		
Muntz polynomials	218	197-205
RAYMOND, FRANK and TOLLEFSON, JEFFREY L. Closed	210	177-203
3-manifolds with no periodic maps	221	403-418
V IIIIIIVIAV WILL IIV PULLVAR IIIIPAAAAAAAAAAAAA		100 110

	Vol	Pages
REDDIEN, G. W. and WEBB, G. F. Boundary value problems		
for functional differential equations with $L^2$ initial func-	222	205 221
tions	223	305-321
REDHEFFER, RAY. Nonlinear differential inequalities and	222	100 155
functions of compact support	220	133–157
REIS, C. M., BIGGS, R. G. and RANKIN, S. A. A study of		
graph closed subsemigroups of a full transformation semi-	010	011 000
group	219	211-223
RICHMOND, L. B. Asymptotic relations for partitions	219	379-385
RINGEL, CLAUS MICHAEL and DLAB, VLASTIMIL. Indecom-		
posable representations of graphs and algebras		ir No. 173
ROBERTS, LESLIE G. $SK_1$ of $n$ lines in the plane	222	353-365
ROBERTSON, M. M. and SPENCER, D. Partitions of large		
multipartites with congruence conditions	219	299-322
ROBINSON, CLARK and FRANKS, JOHN. A quasi-Anosov		
diffeomorphism that is not Anosov	223	267-278
ROSEN, JAY. Sobolev inequalities for weight spaces and		
supercontractivity	222	367-376
ROWLETT, R. J. Z <sub>p</sub> actions on symplectic manifolds	224	169-177
SACKSTEDER, RICHARD. The infinitesimal stability of semi-		
groups of expanding maps	221	281-288
SAEKI, SADAHIRO. Asymmetric maximal ideals in $M(G)$	222	241-254
SAMPSON, G. and ZIELEZNY, Z. Hypoelliptic convolution	202	241-234
	223	133-154
equations in $K'_p$ , $p > 1$	223	133-134
Asymptotic equipartition of energy for differential equa-	210	207 406
tions in Hilbert space	219	397–406
SCHARLEMANN, MARTIN G. Simplicial triangulation of non-	010	240 200
combinatorial manifolds of dimension less than 9	219	269-287
SCHMEISSER, G. and RAHMAN, Q. I. Some inequalities for		
polynomials with a prescribed zero	216	91–103
SCHMITT, KLAUS and VOLKMANN, PETER. Boundary value		
problems for second order differential equations in convex		
subsets of a Banach space	218	397-405
SEEVER, G. L. and BLATTER, JÖRG. Interposition and		
lattice cones of functions	222	65-96
SEITZ, GARY M., CURTIS, CHARLES W. and KANTOR,		
WILLIAM M. The 2-transitive permutation representations		
of the finite Chevalley groups	218	1-59
SELGRADE, JAMES F. Erratum to "Isolated invariant sets for		
flows on vector bundles"	221	249
SHAPIRO, VICTOR L. Generalized and classical solutions of		
the nonlinear stationary Navier-Stokes equations	216	61-79
SHER, R. B. Docility at infinity and compactifications		
of ANR's	221	213-224
VI	441	213-224

Company At the Workship constants for Contra	Vol.	Pages
SHERIF, SORAYA. Absolute Tauberian constants for Cesaro means of a function	224	231-242
SHIELDS, A. L. and ANDERSON, J. M. Coefficient multipliers of Bloch functions	224	255-265
SHISHA, OVED, PASSOW, ELI and RAYMON, LOUIS. Piecewise monotone interpolation and approximation with		
Muntz polynomials	218	197–205
supported vectorfields on R <sup>n</sup>	217	364-377
SHORE, RICHARD A. On the jump of an α-recursively enumerable set	217	351-363
SHULTZ, FREDERIC W. and ALFSEN, ERIK M. Non-commutative spectral theory for affine function spaces on convex	Mana	- N- 172
SILVERMAN, HERB. Extreme points of univalent functions	Memo	ir No. 172
with two fixed points	219	387–395
number of bound states of Schrödinger operators SMITH, R. A. and CALLAHAN, T. L-functions of a quadratic	224	367–380
form	217	297-309
is the limit of W <sup>k,p</sup> -splines	220	299-305
SPENCER, D. and ROBERTSON, M. M. Partitions of large multipartites with congruence conditions	219	299-322
STAFFANS, OLOF J. Positive definite measures with applica-	210	210 227
tions to a Volterra equation, Tauberian theorems for a positive definite form, with	218	219–237
applications to a Volterra equation	218	239–259
compact Lie groups	218	61-87
V: Spectral subspaces for hyponormal operators	217	285-296
metrizable and related spaces	219	89-111
STONE, DAVID A. Geodesics in piecewise linear manifolds	215	1-44
STONG, R. E. Equivariant bordism and Smith theory. IV	215	313-321
SUND, TERJE. Duality theory for locally compact groups with precompact conjugacy classes. II: The dual space	224	313-321
SUNDARESAN, K. and HLAVAC, PAUL. Geometry of Banach spaces of functions associated with concave functions	215	161-189
SUZUKI, TETSUTARO and TAKIJIMA, KUNIO. On the trivial extension of equivalence relations on analytic spaces	219	369-377
ŚWIATAK, HALINA, The regularity of the locally integrable	217	307-311
and continuous solutions of nonlinear functional equations.  TAKIJIMA, KUNIO and SUZUKI, TETSUTARO. On the trivial	221	97-118
extension of equivalence relations on analytic spaces	219	369-377

	Vol.	Pages
TAKAI, HIROSHI. The quasi-orbit space of continuous C*-		
dynamical systems	216	105-113
TAMURA, TAKAYUKI and PUTCHA, MOHAN S. Homomor-		
phisms of commutative cancellative semigroups into non-		
negative real numbers	221	147-157
TAN, SIN-LENG. On nullity distributions	223	323-335
TAYLOR, D. C. and LAZAR, A. J. Multipliers of Pedersen's		
ideal	Memo	ir No. 169
TAYLOR, LAURENCE R. and KAUFFMAN, LOUIS H. Signa-		
ture of links	216	351-365
THOMAS, D. K. and LONDON, R. R. An asymptotic formula		
for an integral in starlike function theory	215	393-406
THOMAS, D. K. and NOONAN, J. W. On the second Hankel		
determinant of areally mean p-valent functions	223	337-346
TIRAO, JUAN and KOSTANT, BERTRAM. On the structure		
of certain subalgebras of a universal enveloping algebra	218	133-154
TISCHLER, DAVID and GOLUBITSKY, MARTIN. On the		
local stability of differential forms	223	205-221
TOLLEFSON, JEFFREY L. Periodic homeomorphisms of 3-		
manifolds fibered over S <sup>1</sup>	223	223-234
TOLLEFSON, JEFFREY L and RAYMOND, FRANK. Closed		
3-manifolds with no periodic maps	221	403-418
Tomastik, E. C. Principal quadratic functionals	218	297-309
TON-THAT, TUONG. Lie group representations and harmon-	210	271-307
ic polynomials of a matrix variable	216	1-46
Tosques, Mario. Analytic hypoellipticity of certain sec-	210	1-40
ond-order evalution equations with double characteristics.	218	173-196
TRAVIS, C. C. On the uniqueness of solutions to hyperbolic	210	173-190
boundary value problems	216	327-336
TRAVIS, C. C. and GENTRY, R. D. Comparison of eigen-	210	321-330
values associated with linear differential equations of		
	222	167 170
TRAYNON, TIM. The Lebesgue decomposition for group-	233	167–179
	220	207 210
valued set functions	220	307-319
nected four-dimensional RR-manifolds	219	100 210
	219	189–210
TYMCHATYN, E. D. Characterizations of continua in which	222	222 200
connected subsets are arcwise connected	222	377–388
VICK, J. W., ALEXANDER, J. P. and HAMRICK, G. C. Linking	221	160 100
forms and maps of odd prime order	221	169-185
VIDOSSICH, GIOVANNI. Solution of Hallam's problem on		
the terminal comparison principle for ordinary differential	220	115 100
inequalities	220	115–132
VISETTI, Y. M. and FATHI, A. Deformation of open embed-	224	407 400
dings of Q-manifolds	224	427-435

	Vol.	Pages
VOLKMANN, PETER and SCHMITT, KLAUS. Boundary value problems for second order differential equations in convex subsets of a Pencel space.	218	397-405
subsets of a Banach space		397-403
have homeomorphic complements	218	207-217
complex plane	218	343-348
transforms associated with plane curves WALSH, JOHN J. Light open and open mappings on mani-	223	235-252
folds. II	217	271-284
WALTER, G. G. Hermite series as boundary values	218	155–171
free cyclic group actions on homotopy spheres	220	361-371
is the limit of $W^{k,p}$ -splines	220	299-305
I: Balanced projectives	222	33–63
WEIL, CLIFFORD E. Monotonicity, convexity and symmetric	223	305-321
derivates	221	225-237
WHEELER, ROBERT F. The Mackey problem for the com-	222	255-265
Pact-open topology		
neous manifolds with negative curvature, Part I, Homogeneous manifolds with negative curvature,	215	323–362
Part II WOLF, JOSEPH A. Unitary representations of maximal para-	Memoir	No. 178
bolic subgroups of the classical groups	Memoir	No. 180
Wong, PAK-Ken. A minimax formula for dual B*-algebras Wu, T. S. and McMahon, D. On the connectedness of ho-	224	281-298
momorphisms in topological dynamics	217	257-270
YANG, KUNG-WEI. The generalized Fredholm operators YEAGER, D. P. On the topology of a compact inverse Clifford	216	313-326
Semigroup	215	253-267
translational hull of a topological semigroup	221	251-280
Fourier series	218	311-320
ZAHEER, NEYAMAT. On polar relations of abstract homogeneous polynomials	218	115-131
ZAHLER, RAPHAEL S. Fringe families in stable homotony	224	243-253

	Vol.	Pages
ZAME, WILLIAM R. Holomorphic convexity of compact sets in analytic spaces and the structure of algebras of holo-		
morphic germs	222	107-127
ZAME, WILLIAM R. and OLSEN, CATHERINE L. Some C*-		
algebras with a single generator	215	205-217
ZIELEZNY, Z. and SAMPSON, G. Hypoelliptic convolution		
equations in $K_p', p > 1$	223	133-154
ZIMMER, ROBERT J. Compact nilmanifold extensions of		
ergodic actions	223	397-406
ZINN, JOEL and GLEIT, ALAN. Admissible and singular		
translates of measures on vector spaces	221	199-211

